

Notice of Allowability

Application No.

10/799,041

Examiner

Anh T.N. Vo

Applicant(s)

SEETHOO, WAI LEONG

Art Unit

2861

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3/11/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to an applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The following changes have been made in a subject of the application to place the claims in a condition for allowance:

Claim

In claim 1:

- lines 3 and 6, "pressurising" changed to --pressurizing--.

In claim 3:

- line 4, "pressurising" changed to --pressurizing--.

In claim 4:

- line 2, "pressurise" changed to --pressurize--.

In claim 11:

- line 3, "pressurise" changed to --pressurize--.

In claim 15:

- line 2, "pressurise" changed to --pressurize--.

In claim 16:

- line 2, "pressurise" changed to --pressurize--.

In claim 17:

- line 2, "pressurise" changed to --pressurize--.

In claim 18:

- line 2, "pressurise" changed to --pressurize--.

In claim 19:

- lines 3-4, "pressurise" changed to --pressurize--.

In claim 20:

- line 3, "pressurising" changed to --pressurizing--.
- line 4, "pressurize" changed to --pressurize--.

In claim 22:

- line 2, "pressurised" changed to --pressurized--.
- line 4, "the" changed to --a--.

In claim 24:

- line 2, "pressurising" changed to --pressurizing--.
- line 5, "pressurise" changed to --pressurize--.

In claim 28:

- line 3, "pressurising" changed to --pressurizing--.
- line 8, "pressurises" changed to --pressurizes--.
- line 10, "pressurise" changed to --pressurize--.

The above change was made to place the application in better condition for allowance.

REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance:

Claims 1-18 and 20-21 are allowed because none of the prior art references of record teaches an inkjet printer utilising at least one ink reservoir, ink being supplied from the ink reservoir through a pump chamber, the printer including an ink pumping mechanism for pressurizing the pump chamber, the ink pumping mechanism comprising an actuator that includes a body portion having an opening therein through which a camshaft of a cam extends in the combination as claimed.

Claim 19 is allowed because none of the prior art references of record teaches a method of supplying ink from an ink reservoir of an inkjet printer through a pump chamber comprising a step of accommodating a cam on a camshaft that extends through an opening in an actuator, and rotating the cam to act on the actuator against a biasing element, so as to remove pressure from the pump chamber when the chamber is in need of refilling by the ink reservoir in the combination as claimed.

Claims 22-23 are allowed because none of the prior art references of record teaches an actuator for an ink pump mechanism of an inkjet printer, the printer having an ink reservoir and a pump chamber that is pressurized by the ink pump mechanism, the actuator including a body portion defining an opening therein for accommodating the camshaft of a cam in the combination as claimed.

Claims 24-27 are allowed because none of the prior art references of record teaches a method of making an inkjet printer having an ink pump mechanism for pressurizing a pump chamber of an ink reservoir, the method including a step of providing a cam for acting on an actuator to oppose

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a biasing element, the cam being mounted on a camshaft that extends through the actuator in the combination as claimed.

Claim 28 is allowed because none of the prior art references of record teaches a inkjet printer utilizing at least one ink reservoir, ink being supplied from the reservoir to a printhead through a variable-volume pump chamber, the printer including an ink pumping mechanism for pressurizing the pump chamber, the ink pumping mechanism including a compression spring mounted on a guide for biasing a slider to a position in which it pressurizes the chamber; and a cam for moving the slider to a position in which it does not pressurize the chamber, the slider defining an opening therein within which the cam is accommodated and including a cam follower with which said cam engages to move said slider in the combination as claimed.

Citation of Pertinent Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art reference (us Pat. 4,973,993; US Pat. 4,987,429; US Pat. 5,136,309; US pat. 6,109,740; US Pat. 5,320,250 and US Pat. 5,721,576) cited in the PTO 892 form show an ink refilling apparatus that is deemed to be relevant to the present invention. This reference should be reviewed.

CONCLUSION

Any comments considered necessarily by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

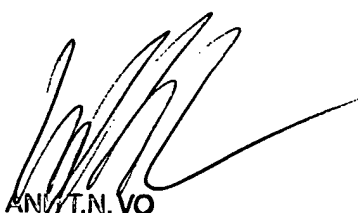
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Anh Vo whose telephone number is (571) 272-2262. The examiner can normally be reached on Tuesday to Friday from 8:30 A.M.to 6:30 P.M..

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The fax number of this Group 2800 is (703) 872-9306.



ANU T.N. VO
PRIMARY EXAMINER

December 16, 2005